

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: "Bob Hirsch" <bobh@p3.net>
Subject: [1847] 14060
Message-ID: <199607301950.PAA17392@p3.net>

> It's been interesting reading the comments made in reply to my original
> posting concerning the problem of data transmissions around 14060kHz.
>
> However, I have to say that I think many are missing the point. The
> fact of the matter is that data operators, if they were abiding by the
> internationally agreed band plans, would not be operating anywhere near
> 14060kHz, and there would be no need for discussion about receiver
> sensitivity, different modes using different 'shifts' etc etc.
>
.....

No argument here, Peter. I agree; I don't think we should be
figuring out reasons *why* they violate the band plans, the fact is
that they do, and we should take notice, and stand up for ourselves.

=====

73 de Bob, AA3ON

No Code, No HF....Know Code, Know HF!

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: thom.lacosta@fido261.qis.net (Thom LaCosta)
Subject: [1850] 14060 and so on...
Message-ID: <c4e_9607301756@fido261.qis.net>

William K Hibbert wrote in a message to All:

WKH> Maybe the answer is to expand Data privileges to allow
WKH> "compatible" data transmissions anywhere that Voice is allowed.
WKH> After all, the bandwidth is less, and we would "conserve" spectrum
WKH> (at the price of VERY high blood pressure, for sure!!)

Oh my....I made the mistake once of running a rtty qso through a local
repeater...talk about hatemail!

There seems to be too much anti-cw and/or 'cw_I_don't_know_what_it_is'
sentiment. I once tried checking into a canadian ssb net on cw(only way I
could), and no one bothered to let me in...they just complained about qrm from
the cw lid....glad I didn't have an emergency.

Thom LaCosta
K3HRN
thom@fido261.qis.net
Our Business is Business

--

|Fidonet: Thom LaCosta 1:261/1352
|Internet: thom.lacosta@fido261.qis.net
|Standard disclaimer: Take a Naugha to Lunch today YOU pay the bill!

From owner-qrp-l@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: Steve Bornstein <saborn@freenet.columbus.oh.us>
Subject: [1826] 40m xtal for Micronat
Message-ID: <Pine.3.07.9607300916.A28397-81000000@login>

G'day All,

Does anyone know of a source for 7.040 mhz surface mount xtals for the Micronat?

73, Steve K8IDN QRP-L #331

From owner-qrp-l@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [1870] Another norcal
Message-ID: <960731084111.2061e067@carib.vf.mmc.com>

Gang,

Gee, I ran across another norcal site! I suppose orcal, bieng short for northern California is used by *many* groups, but this was a refernece by a ham, so I had to check it out!

Seems there's a church group with the URL:

<http://www.norcal.org>

And... they apparently have a ham group among its members who publish a newsletter name the "TRANSMITTER" !

Interesting - you never know just what you'll find on the Web.

OBQRP - how many of you have submitted your "use for an Altoids tin" on the

Altoids home page?

<http://www.word.com/altoids/>

Thanks to Mike Marmor, AA2UJ of the NJQRP'ers for the latter.

72/73,

Joe E., N2CX

From owner-qrp-l@Lehigh.EDU Wed Jul 31 15:25:14 1996

From: Mike Cloud <cloudm@mhsgate.meth-mem.org>

Subject: [1875] ARS,QRP+,good ears

Message-ID: <4920FF3101172C16@mhsgate.meth-mem.org>

I received the following Email from Craig, WB3GCK, this morning and I thought I would share

my response, comments, and observations with all 700 of my QRP-L friends. ..de Mike, KR4IT

>

> From: Craig LaBarge <74740.3166@CompuServe.COM>

>

>Mike:

>

>Just happened to see a message from you come across QRP-L, so I thought

>I'd drop

>you a note to say thanks for the ragchew over the weekend. In case you

>don't

>recall, I was QRP/portable while tent-camping on the Eastern Shore of

>Virginia

>in Cheriton, VA. The weather was great except for Monday, when we had

>to pack up our gear in the

>rain. I even had to dry out my portable dipole when I got home before

>packing

>it away. :-)

>

>Anyway, I had a total of 12 QSOs over the weekend including 2 DX

>(FG/F6BUM and

>YT70M). Thanks again for one of the memorable QSOs from this trip.

>

>73, Craig WB3GCK

>Phoenixville, PA

>

GM Craig, always glad to work a fellow QRP-L'er in any way or mode, hi hi.

Your RST at first was the pits, then it got better, then it got bad agn, hi hi.

Typical 30m propagation as of late. I believe that I was using the Yaesu at the time and running QRO at 50 watts. My reason for bring this up, is that before and after you, I worked a couple of QRO stations who ended the QSO becuz of QSB. I could still copy them and I know that the Yaesu doesn't have as gud a cw ear as the QRP+. I have gotten kind of use to QRO ops ending a QSO when their S meter no longer nudges the 5 mark. I personnally prefer to work a weak QRP sig and I am beginning to get accustomed to working thru all kinds of QRM. When I was on vacation a couple of weeks ago, I had the pleasure of working a number of ops '/P QRP'. Working under a shade-tree, CW, with < 5 watts from a PV array, watching the portable dipole sway in the breeze, has got to be a major karma reducing experience. I gotta tell you that I was a little more concerned regarding rain and humidity with the Index Labs rig than I have been with my MFJ/OHR rigs, hi hi. anyway 72/73 CUL 30M de Mike, KR4IT ..

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: ruswhite@netzone.com (Russell W. White)
Subject: [1854] Az scQRPions meeting
Message-ID: <199607302328.QAA07798@nz1.netzone.com>

Hear ye hear ye

There will be a meeting of the Arizona scQRPions QRP club this Saturday, August 3rd at 10:30am. The meeting will be held at the Lubys cafeteria located on Dunlap Ave just west(the I17 side)of the intersection at 19th Ave and on the south side of Dunlap. This is about 50 yards from the new location of Ham Radio Outlet.

Bring any projects and goodies for show and Tell, and bring an appetite, 'cause we will all "do" lunch ;>)

Russ

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|*****|
| Russ White AB7JX (ex WB1GQG) QRP-ARCI NORCAL NEQRP |
| Phoenix AZ QRP-L#179 ARRL AZQRP#3 |
|*****|
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From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: "Paul R. Valko" <prvalko@Oakland.edu>
Subject: [1877] Bragging time
Message-ID: <Pine.OSF.3.91.960731094645.11284B-100000@saturn.acs.oakland.edu>

Well I stumbled across a local selling a TenTec 544 (the Digital Triton

IV) yesterday! I got the rig and the Deluxe 20A VOX/PS Power Supply for well under the cost of an ol' Argonaut 509! Incredible but true.

This gem is in near perfect cosmetic condition. When I got home last night I opened it up to see what optional goodies were included. It had the 10M crystals, and the CW filter. What I was really interested in though, was the noise blanker.

My initial joy of finding the optional noise blanker was dampened when I saw that there was a deep, charred area where the MC1350P IC once sat. The remains of the IC were still in place, the surrounding components all looked like they had been torched. I took the PCB out to see if it could be salvaged, knowing that TenTec has not had these available for a dozen years.

I unsoldered the ICs pins and some of the foil came up off the board. After a while I had the board pretty much cleaned up and it looks like only the IC failed, taking out a couple 100 ohm resistors in the process. I called Ten Tec this morning and the IC is on its way.

I'll probably take this rig to the picnic this weekend, Tritons run 0-100 watts right out of the box.

73 =paul= wb8zjl
Collector of TenTecs and other fine plastics

From owner-qrp-l@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: Clark Fishman (FSAC) <cfishman@PICA.ARMY.MIL>
Subject: [1848] Catalog
Message-ID: <9607301609.aa19782@COR6.PICA.ARMY.MIL>

I just got the new Farnell Components catalog...someone here mentioned their name...It's a wopper...you can get a hernia lifting this sucker.

Farnell is a multi-country distributor and is now in the US
call 800-718-1997 for the catalog

All kinds of goodies including some Plessey chips yes that includes the SL6440 hagh level mixer....

Some prices arre high some are not....

Catalog has lot's of pictures and over a 1000 pages

they take plastic and have a 24 hour-a-day order phone

Who knows...I might actually buy something from them..

Clark Fishman WA2UNN cfishman@pica.army.mil

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: John Mckee <jmckee@rfmd.com>
Subject: [1882] cermet pots
Message-ID: <199607311534.LAA65594@nss2.CC.Lehigh.EDU>

Gang,

What is the difference between a carbon composition and a cermet pot?
Is there an application for which you would not want to use a cermet
pot?

Tnx es 72

John WB40FT
jmckee@rfmd.com

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: George Gingell <k3tks@u1.abs.net>
Subject: [1840] Counter/Digital Readout for Rig
Message-ID: <Pine.BSI.3.93.960730132710.7103C-100000@u1.abs.net>

One other Company which has more than one product to fill the bill
for adding digital readout on your QRP rig is S&S Engineering of
14102 Brown Road, Smithsburg, MD 21783. (301) 416-0661 .
It is owned and Operated by Dick and Kathy Szakonyi, KA3ZOW & N3SAD.
Dick has a Programmable Counter for use with your QRP Rigs. It uses
dip switches to program the Offset of your transceiver. They also
offer a Frequency counter kit and there is a new Synthysizer VFO
available. Give them a buzz for more details and a catalog/price list.
I believe their email address is dzak@aol.com

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996

From: wb2vuo@juno.com (William K Hibbert)
Subject: [1868] FCC On-Line?
Message-ID: <19960731.073802.11247.0.wb2vuo@juno.com>

I am looking for an E-Mail address for the FCC, not a Web Site or Home page, just the E-Mail. I have a regulatory question, and need to get an interpretation of one of the rules, but Juno doesn't allow anything but plain-old E-Mail...

Please reply directly, unless you think that others on the list may want the info, too...

wb2vuo@juno.com

Thanks & 72/73, Keith, WB2VUO, QRP-L #582

From owner-qrp-l@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: "Phil Sikes" <psikes@whidbey.net>
Subject: [1885] Forty-9er help
Message-ID: <199607311641.JAA17910@islander.whidbey.net>

Hello to the group. I can't begin to tell you all how much I appreciate this list! Now I need some of the famous QRP-L assistance. I just bought a 40-9er kit from another fellow and I have a problem. The board that I received was a Rev A, and the silk screening is illegible. The parts layout picture that came with the instructions is for a Rev B board. Can anyone out there send me a copy of the parts layout for a Rev A? I will gladly pay postage and reproduction costs, or if you have it in a digital picture form, just send it as an email attachment. Thanks in advance..

72 - Phil
Amateur Radio Station
KJ7NS
ARCI 9196:NWQRP 412:QRP-L 528
email: psikes@whidbey.net

From owner-qrp-l@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: weinfurtner@ouvaxa.cats.ohiou.edu (Greg Weinfurtner)
Subject: [1889] Forty-9er help
Message-ID: <v01510101ae25317bcf57@[132.235.72.11]>

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Here is 2 of 3

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Content-Disposition: attachment; filename="place49.gif"

(This file must be converted with BinHex 4.0)

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,E#!&`&#&Q!\$HL!*8P!%C5!%,2!%1H!\$GA#pep!0dX!-1,!(f6!)fX!+A3!0c@#
1b*!!"QS`"R#3!!96)!CGi!@3!0!(EJ!\$DV!'@+!&K3!(FU!'K%!)Ek!)Tc!*N!"
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d`!C()!LI`!4Tre!*Dm!#F1!(QL!)LD!)B-!(G*!!#+0`#SL`"PV`"SY`#Da`"im
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\$1#)Ymm+,0Y&kXc)G-*%UV!\$BF6hc"D\$J6IhA\$K1K%L1APMhK&L1A#h\$9BBh9&6l
@ (F1@ "c\$@Hch@!I\$K6Vd!C5hBDehK*U1@NhhKFPd!,`lMDcd"FJd%91!'Hi!%66d
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&*[-1F,3"Xpk) c8" #Ya223)M0\$ r` [A1(r3lUrcG#pE5ZBm'+M-KU6e@R)@)&rM)!
0Hb6\$32k*a6qHm1H' r!dHk(#H,HraMpV#flpR6N!#-2jT4Ja3' !!"-5)G55V%q9Y4
B2Ck-6@8F+ #JLVF1jh&Z)&"PbR-LajR4P#eFD6e+CZP*3DUH@Kc#r)K1N@d` Rq&L
15#a#NVL-C#fljXCR0X' b!"(i#)d)FdMc-!Bjh"%dHk4#-Gq*"\$@dd*\$1R!0Sla-%
(!aEMN94%4cR8FH Y%H@8IQ` 2!,!\$cSlQq3ar"m-p,!A!+H5c\$&SMB`MANB3N#MF%
DbbNE&G9a' -Ie*FKa+8H0NJBTK24P*)kM8R!Z8N+` -!A-*%&63m# #d2qe9&BTkDL
&DKB# ,E\$` bFVDFTK3+1aK@5k)(,jfr@J\*4H6"%BHGib(\*[ `M!liQmP#K)Bmi,XH
Xk&E&' aF' J\$1ZNErXA@3LqTN3' #p\$&IAZ` afe' %!%D' '3!' A'"DJ(0NLH# +0iI@L
M#J\$' J\$Af8CdhS8@rmfePEVab` MEe\$aq&k3e5pP` @TL4QRmrV68b!` 9,rX" "pEd"
(3pf5MYi!4V&NN5Y9rK' (Cm22\$0XJ#668ji8jH!!![AM(*I` 6!bri" aGSBSJF" C+
@[j(p-Ke6j9LZ\$L%ZA@iPV,&2fF3@Q1-3@#4NE*%km38NqM-B" M"-1r!MDm)@HZ)
i' N%3qZ%5FE)"r` EJ!,#!&Pf4%1ke#5-J\$!cK\$R93"TVa\$Yp!"N(J\$IR` &42a(Yb
3!!F!S!(@d!qC!5` Hd@ (5` aRbm!q&i"qrS\$*` dQJ4Z!da!!!!%!!3X!dqNJp' GJq
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+rX!2pj!!\$UT83[hJ\$Kt"&IM` 5U#&%9GK)"" " `NL%0(8' cCb-5Y\$\$f5e2ddA\$#0
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--===== _15407034==_--

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: KA3YJG <qrp@earthlink.net>
Subject: [1857] FS: ARG0 509, 405 amp

Message-ID: <31FE94F9.3E25@earthlink.net>

TenTec Argonaut 509, average physical condx, very good electronically, aligned by the factory 5/95, with manual \$250.00

TenTec linear amp 405, 2 watts in, 50 watts out adjustable, SWR and PO meters, power cable and manual, good condition, can be used with any of the Argonaut series (or any other QRP rig that has adjustable power out) \$150.00

Please E-mail if interested. Thank you.

--

Robert Schnick KA3YJG

MI-QRP #1125 QRP-ARCI #8128 G-QRP #7554 NorCal #1481

From owner-qrp-l@Lehigh.EDU Tue Jul 30 23:12:13 1996

From: Dick Schneider <74602.3317@compuserve.com>

Subject: [1821] FS: TS50 Mobile HF

Message-ID: <960730072045_74602.3317_EHH79-1@CompuServe.COM>

FOR SALE:

KENWOOD TS50S MOBILE HF XCVR. 160-10 M. STANDARD POWER SETTINGS: 10-50-100 WATTS. EASY MOD FOR QRP. 500HZ CW FILTER. EXCELLENT CONDITION. \$700 PLUS SHIPPING.

72,73 DICK ABOCD..

From owner-qrp-l@Lehigh.EDU Wed Jul 31 15:25:14 1996

From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>

Subject: [1890] Fw: [VSS:669] Ten-Tec 580 Delta available

Message-ID: <49318.owen@apollo.eeel.nist.gov>

I am forwarding this to QRP-l in hope that one of you may be interested in a great piece of TenTec gear. I had one of the originals, S/N 006 and thought that it was a great rig. 73 Jim K4CGY QRP-L #72

From: mflicinski@VNET.IBM.COM

Wed, 31 Jul 1996 13:23:59 -0400 (EDT)

Subject: [VSS:669] Ten-Tec 580 Delta available

I am assisting in disposing of some estate items. One item is:

Ten-Tec 580 Delta Transceiver (no options)
Matching Power Supply model 280
Microphone and stand model 215
Original documentation

The above is in VERY clean condition and completely original as far as I can determine. I was asked to check out the rig and I believe I was the first to power it up in a number of years. It is on frequency, full rated output, good reports on SSB and CW. Not even a scratchy pot. The QSK is great. Now I see where T-T got its reputation for QSK!

It has no extra filters nor noise blanker and does NOT have the WARC xtals but these are available from Ten-tec. It covers all bands from 160 through 10M (incl WARC) and is solid state. The Delta was introduced in 1980 and this unit is a low 200's serial number.

Price is \$475 plus shipping from Austin, TX. I can have it at Austin Summerfest if you are interested and will be there this weekend.

Mike K2UXE
mflicinski@vnet.ibm.com

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: Mark_Korchinski@isdtcp3.hwc.ca
Subject: [1872] Good website
Message-ID: <9606318388.AA838830544@isdtcp3.hwc.ca>

W.J. Ford Surplus Enterprises is a surplus electronics dealer in Smiths Falls Ontario (near Ottawa). Since Ottawa is a city with lots of military activity and high tech companies (eg. Digital, Northern Telecom), they get some very high quality "junk" and parts.

Just found out they have a website:
<http://www.falls.igs.net/~testequipment/>

It's a no glitz site with a very good listing of their inventory.

(PS I have no connection to them except going out a couple of times and spending several hours poking around their "stuff". I love that sort of thing).

73,
Mark VA3ZU

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: Guy Dragoo <gdrag@proedge.com>
Subject: [1830] Grove Minituner3 Info
Message-ID: <01BB7DFC.6C188F00@ft243.computek.net>

Howdy from a gray and dreary Texas,
I bought a Grove Minituner 3 at a swap meet to use with my Sierra (at =
least until I get my St. Louis tuner constructed). The tuner had the =
band selection knob and rotated it until one of the caps separated (in =
the body of the cap) that was attached to the variable. I reattached =
(soldered as best I could) the torn out lead to the body of the cap and =
it seems to work but figure this is only a temporary solution. Does =
anyone on the list have the documentation and/or schematic for this =
little fellar. I would also appreciate info for Grove Enterprises (i.e. =
phone number), I believe they are in SC (if they are still around). =20
Cheers and 73
Guy Dragoo AC5HL

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: David Adams <dave@flowserver.stem.com>
Subject: [1852] It a dark day in CA (II)
Message-ID: <9607302238.AA07309@flowserver.stem.com>

Sorry....seem to be having a line noise problem. Anyway, I'm back and
was given a terrible gift from my landlord while I was gone. The roof
over my balcony (read that as the anchor for all my antennas) was starting
to feel it's age, so my landlord opted to repair it. Repair in this case means
remove it.....I now have a little half roof and no room for my Vs...except
for my indoor 40m wonder-loopy-thing taped to my walls, I am without antenna.

This guy was waiting for my to leave the country....I know it! Seriously
though, it's time to rethink my antenna strategy (actually it's time to rent a \
house out in the north/east bay wilderness...or maybe pescadero...anyone
know of anything cheap?!?!? Didn't think so...

Oh...picked up my RS DSP today...last one at the store...pretty cool
really....

73 de dave. n9uxu

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: KC7FYS@aol.com
Subject: [1860] Logging Software
Message-ID: <960730215313_588724680@emout12.mail.aol.com>

My apologies to the luddites amongst us, but I am getting tired of my pencil-and-ruler logging! I want to try using my Mac to log my QSO's. Are there Mac users in the NorCal gang that know of good software, or what to avoid in this area? As long as you're at it, you might also be able to recommend some other good software items for the Mac that might be useful for hams.

73

Jonathan 7j1awl/kc7fys

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: Gary Surrency <gsurrenc@ix.netcom.com>
Subject: [1835] Message Formatting
Message-ID: <12D3B77B.43E4@ix.netcom.com>

Gang,

I have noticed quite a few postings that exceed 80 column page width. Some messages of late have been all on one line! I too, have been guilty of this transgression at times. :-)

So please check your software setups on whatever brand of Internet access package you are using and read the FAQ file on this list for proper page formatting. Remember that the font you choose may be misleading you on your perceived page size.

It sure will make the postings here a lot easier and more enjoyable to read.

Thanks in advance for your cooperation! ;-)

72/73,

--

Gary, AB7MY QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: Phil Lefever <kb0nes@tcrc.org>

Subject: [1866] Need Heathkit GR-78 Manual
Message-ID: <B0000000438@hans.tcrc.org>

Hi All, I recently picked up a Heathkit GR-78 general coverage receiver that I intend to use with a home brew QRP transmitter. Unfortunately I didn't get the manual/schematic with it and it has a power supply problem. If anyone has a manual for one of these I would be willing to pay all expenses for a photocopy.

I have also heard that there are several companies that provide reproduction manuals for older radios (Hi Manuals comes to mind). If anyone has the info on how to contact one of these companies I would appreciate any help I could get.

Please reply directly to my Internet address as I can't always keep up with my mailing list traffic :(

Thanks & 73's

Phil Lefever ARS:KB0NES
kb0nes@tcrc.org
phil.lefever@tcrc.vware.mn.org
kb0nes@wb0gdb.msp.mn.usa.na (AX.25 Packet)

From owner-qrp-l@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: ukii@megsinet.net (ukii)
Subject: [1895] Other Mailing lists
Message-ID: <01BB7EE7.2A1B54C0@ukii>

From: ukii[SMTP:ukii@megsinet.net]
Sent: Wednesday, July 31, 1996 1:43 PM
Subject: Other Mailing lists

Hi Gang:

It came to my attention that many of the list users only have TEXT only E-Mail service. In order to inform them of other lists they may wish to subscribe to, I have gone to the web page on copied all the info they have=20

there. I hope this will be of help to some of the members..

Best 73 es Hope 2 HEAR YOU soon!

john N9UKX
66423

<Picture: *>AMSAT-BB: General discussion of amateur radio satellites.=20
For more info: Send mail to listserv@amsat.org with text (not subject): =
help=20

<Picture: *>ANS (AMSAT News Service): Official bulletins of the AMSAT =
News Service=20
For more info: Send mail to listserv@amsat.org with text (not subject): =
help=20

<Picture: *>arrlcad: ARRL Computer Aided Design List=20
To subscribe: Send mail to listproc@tapr.org with text (not subject): =
subscribe arrlcad Firstname Lastname=20
To post: Send mail to arrlcad@tapr.org=20

<Picture: *>AR_HAMS:Arkansas Hams Mailing List=20
To subscribe send to: listserv@wolfdenswsc.k12.ar.us Leave the subject =
blank. Text: subscribe AR_HAMS FirstName LastName Yes, AR_HAMS must be =
all Caps to subscribe. To post messages, send to: =
ar_hams@wolfdenswsc.k12.ar.us The post must be in small letters =
in-order to be posted.=20
Now, you are probably asking yourself, What is ar_hams. ar_hams is short =
for Arkansas Hams and is a way for hams to discuss problems and ways to =
solve them.=20

<Picture: *>arrl-exam-list: Amateur Radio License Examinations Scheduled =
in the US and in Some Foreign Areas.=20
To subscribe: Send mail to listserv@netcom.com with text (not subject): =
subscribe arrl-exam-list=20
To unsubscribe: Send mail to listserv@netcom.com with text (not =
subject): unsubscribe arrl-exam-list=20
For more info: Send mail to listserv@netcom.com with text (not subject): =
help=20
To post: Send mail to arrl-exam-list@netcom.com=20

<Picture: *>arrl-nediv-list: Bi-Monthly Bulletins from the ARRL NE =
Division Director.=20
To subscribe: Send mail to listserv@netcom.com with text (not subject): =
subscribe arrl-nediv-list=20
To unsubscribe: Send mail to listserv@netcom.com with text (not =
subject): unsubscribe arrl-nediv-list=20
For more info: Send mail to listserv@netcom.com with text (not subject): =
help=20

<Picture: *>arrl-special-olympics:=20

To subscribe: Send mail to listserv@netcom.com with text (not subject): =
subscribe arrl-special-olympics=20
To unsubscribe: Send mail to listserv@netcom.com with text (not =
subject): unsubscribe arrl-special-olympics=20
For more info: Send mail to listserv@netcom.com with text (not subject): =
help=20

<Picture: *>arrl-ve-list: Announcements to ARRL VEs and VE Teams.=20
This is a one-way list, run by Bart Jahnke of the ARRL VEC, for =
announcements to VEs and VE teams.=20
To subscribe: Send mail to listserv@netcom.com with text (not subject): =
subscribe arrl-ve-list=20
To unsubscribe: Send mail to listserv@netcom.com with text (not =
subject): unsubscribe arrl-ve-list=20
For more info: Send mail to listserv@netcom.com with text (not subject): =
help=20

<Picture: *>barc-list: Boston Amateur Radio Club=20
Information, discussion and announcements for the Boston Amateur Radio =
Club and hams in Eastern Massachusetts.=20
To subscribe: Send mail to listserv@netcom.com with text (not subject): =
subscribe barc-list=20
To unsubscribe: Send mail to listserv@netcom.com with text (not =
subject): unsubscribe barc-list=20
For more info: Send mail to listserv@netcom.com with text (not subject): =
help=20
To post: Send mail to barc-list@netcom.com=20

<Picture: *>barc-races: RACES in MA and Emergency Management=20
To subscribe: Send mail to listserv@netcom.com with text (not subject): =
subscribe barc-races=20
To unsubscribe: Send mail to listserv@netcom.com with text (not =
subject): unsubscribe barc-races=20
For more info: Send mail to listserv@netcom.com with text (not subject): =
help=20
To post: Send mail to barc-races@netcom.com=20

<Picture: *>boatanchors: Radio's with Tubes=20
Purpose: An active mailing list devoted to the discussion of pre-1970s =
vintage communications equipment, including amateur radio receivers, =
transmitters, microphones, Morse Code keys, accessories, certain =
military radio equipment, etc. Vacuum tube or "Fire-bottle" technology =
is the principal qualifier in determining the equipment's acceptability =
for discussion. Wanted and items for sale are posted. Expect to find =
classic examples of radio folk known as "Old Farts", "Wily Curmudgeons", =
and others of their ilk. Newcomers are welcome, but "flash-in-the-pan" =
types with nothing to contribute are discouraged. Flames are not welcome =
- this list has one of the highest signal-to-noise ratios in the =

Internet and we want to keep it this way. A definite interest in and =
commitment to the preservation, restoration and operation of vintage =
radio equipment is essential. A FAQ and daily digest format are =
available as well as a Boatanchor archives is maintained at another =
site. You will find the accumulated knowledge and wisdom accumulated =
here if you have questions about vintage radio operation, maintenance, =
restoration or history.=20

To subscribe: Send mail to listproc@ThePorch.com=20

For help: Send mail to listproc@ThePorch.com with text (not subject): =
HELP.=20

<Picture: *>bull-fwd: Ham Radio BBS Bulletin Distribution=20

Machine-originated text only.=20

To subscribe: Send mail to listserv@ucsd.edu with text (not subject): =
add bull-fwd=20

For more info: Send mail to listserv@ucsd.edu with text (not subject): =
help=20

To post: Send mail to bull-fwd@ucsd.edu=20

<Picture: *>ct-user: Contesting=20

To subscribe: Send mail to majordomo@mlo.dec.com with text (not =
subject): subscribe CT-USER=20

To unsubscribe: Send mail to majordomo@mlo.dec.com with text (not =
subject): unsubscribe CT-USER=20

For more info: Send mail to majordomo@mlo.dec.com with text (not =
subject): HELP=20

To post: Send mail to ct-user@mlo.dec.com=20

<Picture: *>cq-contest: Contesting=20

To subscribe: Send mail to cq-contest-request@tgv.com with text (not =
subject): SUBSCRIBE=20

To unsubscribe: Send mail to cq-contest-request@tgv.com with text (not =
subject): UNSUBSCRIBE=20

For more info: see the FAQ.=20

To post: Send mail to cq-contest@tgv.com=20

<Picture: *>dsp2232: AEA DSP 2232 - Digital Signal Processing Multi-Mode =
Data Controller=20

To subscribe: Send mail to dsp2232-request@rmi.de.=20

To unsubscribe: Send mail to dsp2232-request@rmi.de.=20

To post: Send mail to dsp2232@rmi.de.=20

<Picture: *>DX: DX Mailing List.=20

To subscribe: Send mail to dx-request@ve7tcp.ampr.org.=20

To unsubscribe: Send mail to dx-request@ve7tcp.ampr.org.=20

For additional info see the FAQ.=20

To post: Send mail to dx@ve7tcp.ampr.org=20

<Picture: *>fielddorg-l: ARRL Field Organization Discussions.=20
To subscribe: Send mail to listserv@netcom.com with text (not subject): =
subscribe fielddorg-l=20
To unsubscribe: Send mail to listserv@netcom.com with text (not =
subject): unsubscribe fielddorg-l=20
For more info: Send mail to listserv@netcom.com with text (not subject): =
help=20
To post: Send mail to fielddorg-l@netcom.com=20

<Picture: *>fox-list: Fox Hunting and Radio Direction Finding.=20
To subscribe: Send mail to listserv@netcom.com with text (not subject): =
subscribe fox-list=20
To unsubscribe: Send mail to listserv@netcom.com with text (not =
subject): unsubscribe fox-list=20
For more info: Send mail to listserv@netcom.com with text (not subject): =
help=20
To post: Send mail to fox-list@netcom.com=20

<Picture: *>GTRADIO: GA Tech Radio Club Mailing List=20
To subscribe: Send mail to listserv@GITVM1.BITNET with text (not =
subject): sub GTRADIO Your Name=20
To post: Send mail to GTRADIO@GITVM1.BITNET=20

<Picture: *>ham-ant: Bidirectional mailing list with Usenet group =
rec.radio.amateur.antenna=20
To subscribe: Send mail to listserv@ucsd.edu with text (not subject): =
add ham-ant=20
For more info: Send mail to listserv@ucsd.edu with text (not subject): =
help=20
To post: Send mail to ham-ant@ucsd.edu=20

<Picture: *>ham-bsd: Ham Radio Applications of the Jolitz 386BSD =
o subscribe: Send mail to listserv@PLEARN.BITNET with text (not =
subject): sub HAM-SAT Your Name=20
To post: Send mail to HAM-SAT@PLEARN.BITNET=20

<Picture: *>ham-space: Bidirectional mailing list with Usenet group =
rec.radio.amateur.space=20
To subscribe: Send mail to listserv@ucsd.edu with text (not subject): =
add ham-space=20
For more info: Send mail to listserv@ucsd.edu with text (not subject): =
help=20
To post: Send mail to ham-space@ucsd.edu=20

<Picture: *>ham-tech: Technical Discussions and Questions About Amateur =
Radio.=20
To subscribe: Send mail to listserv@netcom.com with text (not subject): =
subscribe ham-tech=20

To unsubscribe: Send mail to listserv@netcom.com with text (not = subject): unsubscribe ham-tech=20
For more info: Send mail to listserv@netcom.com with text (not subject): = help=20
To post: Send mail to ham-tech@netcom.com=20

<Picture: *>ham-uwave: Microwave discussions.=20
To subscribe: Send mail to listserv@ucsd.edu with text (not subject): = add ham-uwave=20
For more info: Send mail to listserv@ucsd.edu with text (not subject): = help=20
To post: Send mail to ham-uwave@ucsd.edu=20

<Picture: *>ham-univ: University Ham Radio Clubs Mailing List=20
Purpose: This mailing list is for people that are interested in Amateur = Radio Clubs at Universities. Club activities, funding sources and other = issues that come up are discussed on this list.
To subscribe: Send mail to ham-univ-request@listserver.njit.edu with = text (not subject): subscribe ham-univ Your Name=20
To post: Send mail to ham-univ@listserver.njit.edu=20

<Picture: *>HAMS-PL: Discussion List of Polish Radio Amateur Hams=20
To subscribe: Send mail to listserv@PLEARN.BITNET with text (not = subject): sub HAMS-PL Your Name=20
To post: Send mail to HAMS-PL@PLEARN.BITNET=20

<Picture: *>(Gary Gitzen) ICF-2010: ICF-2010 SONY Shortwave Radio=20
Purpose: This is a low volume mutual support group to discuss/share = technical issues, problems, solutions, performance and modifications = related to the Sony ICF-2010 and 2001D shortwave radios.

<Picture: *>info-hams: Ham Radio Operation and Related Subjects=20
To subscribe: Send mail to listserv@ucsd.edu with text (not subject): = add info-hams=20
For more info: Send mail to listserv@ucsd.edu with text (not subject): = help=20
To post: Send mail to info-hams@ucsd.edu=20

<Picture: *>ky1n-list: VE Exams in New England.=20
To subscribe: Send mail to listserv@netcom.com with text (not subject): = subscribe ky1n-list=20
To unsubscribe: Send mail to listserv@netcom.com with text (not = subject): unsubscribe ky1n-list=20
For more info: Send mail to listserv@netcom.com with text (not subject): = help=20
To post: Send mail to ky1n-list@netcom.com=20

<Picture: *>land-mobile-radio: commercial land mobile two-way radio =

communications=20

To subscribe: Send mail to listserv@stat.com with text (not subject): =
subscribe land-mobile-radio=20

To unsubscribe: Send mail to listserv@stat.com with text (not subject): =
unsubscribe land-mobile-radio=20

To post: Send mail to land-mobile-radio@stat.com=20

<Picture: *>letter-list: Redistribution of the ARRL Letter.=20

To subscribe: Send mail to listserv@netcom.com with text (not subject): =
subscribe letter-list=20

For more info: Send mail to listserv@netcom.com with text (not subject): =
help=20

I am the originator of a discussion group for the AEA LogWindows logbook =
program. It is on Lyndon's (VE7TCP) machine, and is in no way affiliated =
with AEA (however many AEA people actively participate. I would =
appreciate your adding LogWindows to your listings.

Info is as follows:

To subscribe: Logwindows-request@ve7tcp.ampr.org

Body: subscribe=20

To unsubscribe: unsubscribe=20

FAQ's are sent on subscription

Posts: Logwindows@ve7tcp.ampr.org

<Picture: *>mars-list: Military Affiliated Radio Service=20

To subscribe: Send mail to listserv@stat.com with text (not subject): =
subscribe mars-list=20

To unsubscribe: Send mail to listserv@stat.com with text (not subject): =
unsubscribe mars-list=20

To post: Send mail to mars-list@stat.com=20

<Picture: *>NASAINFO: Information from NASA about space missions, =
especially those of interest to the amateur radio space program.=20

For more info: Send mail to listserv@amsat.org with text (not subject): =
help=20

<Picture: *>newsline-list: Redistribution of Amateur Radio Newsline.=20

To subscribe: Send mail to listserv@netcom.com with text (not subject): =
subscribe newsline-list=20

To unsubscribe: Send mail to listserv@netcom.com with text (not =
subject): unsubscribe newsline-list=20

For more info: Send mail to listserv@netcom.com with text (not subject): =
help=20

To post: Send mail to newsline-list@netcom.com=20

<Picture: *>nos-hacks: KA9Q 'NOS' Amateur Radio Networking Package, and =
other 'NOS' and 'NET' derivatives.=20

To subscribe: Send mail to listserv@ucsd.edu with text (not subject): =
add nos-hacks=20
For more info: Send mail to listserv@ucsd.edu with text (not subject): =
help=20
To post: Send mail to nos-hacks@ucsd.edu=20

<Picture: *>packet-radio: Packet-Radio Mailing List, Gatewayed from =
Usenet Newsgroup alt.ham-radio.packet.=20
To subscribe: Send mail to listserv@ucsd.edu with text (not subject): =
add packet-radio=20
For more info: Send mail to listserv@ucsd.edu with text (not subject): =
help=20
To post: Send mail to packet-radio@ucsd.edu=20

<Picture: *>PRIE-L: Packet Radio Internet Extension List.=20
To subscribe: Send mail to listserv@UCSFVM.BITNET with text (not =
subject): sub PRIE-L Your Name=20
To post: Send mail to PRIE-L@UCSFVM.BITNET=20

<Picture: *>QRP-L: QRP (Low Power) Radios and Related Equipment.=20
This is the qrp mailing list, previously maintained by Bruce Walker at =
Think.com. It is for discussions about the design, construction, and use =
of qrp (low power) radios and related equipment.=20
To subscribe: Send mail to listserv@lehigh.edu with text (not subject): =
subscribe QRP-L Firstname Lastname Callsign=20
To post: Send mail to QRP-L@lehigh.edu=20
See also the The QRP-L Resource Page.=20

<Picture: *>radio-info: Echo of the Usenet Newsgroup rec.radio.info.=20
To subscribe: Send mail to listserv@ucsd.edu with text (not subject): =
add radio-info=20
For more info: Send mail to listserv@ucsd.edu with text (not subject): =
help=20

<Picture: *>SAREX: News and information about the Space Shuttle Amateur =
Radio Experiment (SAREX).=20

<Picture: *>TAPR listserv: The Tucson Amateur Packet Radio runs several =
mailing list devoted to digital modes over amateur radio.=20
You may also check their general mailing list.=20

<Picture: *>tcp-digest: Digest Form of the tcp-group list.=20
To subscribe: Send mail to listserv@ucsd.edu with text (not subject): =
add tcp-digest=20
For more info: Send mail to listserv@ucsd.edu with text (not subject): =
help=20

<Picture: *>tcp-group: TCP/IP use on Ham Packet Radio=20

To subscribe: Send mail to listserv@ucsd.edu with text (not subject): =
add ham-uwave=20
For more info: Send mail to listserv@ucsd.edu with text (not subject): =
help=20
To post: Send mail to tcp-group@ucsd.edu=20

<Picture: *>'TOPBAND' Reflector.=20
It is a 160 Meter Mailing List. Send "subscribe" to =
topband-request@lists.frontier.net r=20

<Picture: *>UKARC: University of Kentucky Amateur Radio Club.=20
To subscribe: Send mail to listserv@UKCC.BITNET with text (not subject): =
sub UKARC Your Name=20
To post: Send mail to UKARC@UKCC.BITNET=20

<Picture: *>vhf: VHF/UHF/Microwaves=20
To subscribe: Send mail to listserv@w6yx.stanford.edu with text (not =
subject): subscribe your-email-address-here vhf=20
To post: Send mail to vhf@w6yx.stanford.edu=20

<Picture: *>w1aw-list: ARRL Bulletins, News, and Information.=20
To subscribe: Send mail to listserv@netcom.com with text (not subject): =
subscribe w1aw-list=20
To unsubscribe: Send mail to listserv@netcom.com with text (not =
subject): unsubscribe w1aw-list=20
For more info: Send mail to listserv@netcom.com with text (not subject): =
help=20
To post: Send mail to w1aw-list@netcom.com=20

<Picture: *>990: Yaesu 990 Mailing List=20
To subscribe: Send mail to 990-request@xyzzoom.info.com=20
To unsubscribe: Send mail to 990-request@xyzzoom.info.com=20
To post: Send mail to 990@xyzzoom.info.com

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: Dan Keen <70731.722@compuserve.com>
Subject: [1863] pse mark it FRAGILE
Message-ID: <960731044037_70731.722_EHM68-1@CompuServe.COM>

Howdy to all on this list.

Received a package recently from the Post Office and was astonished to find
that the sender had not marked this particular item FRAGILE. Because it was

indeed a fragile item.

Another past experience from about two years ago: I had bought a few radio tubes in one shipment from Antique Radio Supply in Arizona. These were the very expensive old 1930's style globe shaped tubes. All tested good before ARS shipped (or so they said). Most tested bad when I received them. Shipping box was not marked FRAGILE. ARS sells items under a good guarantee, so ARS lost a couple hundred dollars on their mistake of not marking the box properly as Postal regs clearly specify.

Local Postmaster's explanation at that time: "We try to give each shipper the service which they deserve. If a package is not marked FRAGILE then at any large Post Office in the country, the sorting clerk should throw that package into one of the bins arranged within throwing distance around him. This is to save time and money in sorting. If we were to take the time to walk every package gently to the bin, then we would have to charge higher shipping rates. Such higher rates would be undeserved by a shipper if and when he is mailing non-fragile packages. On the other hand, any shipper who has marked his shipping package FRAGILE should also get the service which he deserves, and so our policy is to carry such a package by hand and gently place it into the sorting bin instead of throwing it, but only if it has been labeled in this way. Every shipping guide printed by the Post Office for two hundred years has clearly explained our policy on how a shipper may ask for careful handling on any package, he does so by marking the package FRAGILE".

I find no fault with the PO policy as it was explained to me in quotes above.

72

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com>
Subject: [1853] QRP+
Message-ID: <M976939.001.doeq0.1.960730224225Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

HB9AUK de N6WG

Walter:

I too have a QRP+, and the AGC action you describe is common. It comes from having an audio-derived agc. For cw in this rig, an IF-derived agc wouldn't be too good, as the IF is manufactured for SSB bandwidth. The cw bandwidth is obtained through the audio filter. I have my QRP+ supplemented with a Timewave DSP59+ filter, which works quite well, and also supplies a bit more audio amplification.

To control the AGC problem, I have added an RF gain control, so that I can control the operating point of the receiver under all conditions. I understand that Bruce Lincoln, the manufacturer, is working on an RF gain control upgrade kit. No specifics released yet, as he is looking for an adequate supply of parts.

No rig is perfect, and this one too is ripe for other modifications. There must be a better way to do audio-derived agc, but I don't know just what it might be.

72/73, Bob N6WG

From owner-qrp-l@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: lve1@inel.gov (Larry V East)
Subject: [1883] QRP+ AGC Thump
Message-ID: <2.2.16.19960731153839.1bc775d6@134.20.173.29>

Guess I should post this every month or so as it seems to come up again and again...

The "AGC Thump" problem in the QRP+ is the result of significant signal delay through the SCAF filter which is before the AGC detector and after the IF stage to which the AGC voltage is applied. The problem is particularly noticeable on strong signals and is compounded by too much IF gain in the QRP++, hence using the 20 dB attenuator and/or adding an RF gain control can help.

The approach that I have taken is to add a simple diode limiter at the output of the SCAF filter to limit the peak audio level until the AGC has time to take effect on strong signals. This does not completely eliminate the problem but it sure reduces the "thumps" and "bumps" caused by strong signals. The mod is fairly simple and is described in a text file on the QRP-L FTP site (ftp.Lehigh.edu). To obtain a copy of the file, do an anonymous login on the FTP site (also reachable from the QRP-L WEB page), move to the directory /pub/listserv/qrp-l/mods and "GET" (or "RETRIEVE", depending on your FTP software) the file index_audio_mods.txt (the file also contains info on a couple of other useful audio mods).

Enjoy...

72, Larry W1HUE/7

From owner-qrp-l@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: lve1@inel.gov (Larry V East)

Subject: [1892] QRP+ AGC Thump -- Rev 1

Message-ID: <2.2.16.19960731180859.27d7633c@134.20.173.29>

Clarifications and additions to my previous post...

NOTE: In the following, "QRP++" refers to the "new and improved" version of the Index Labs. QRP-Plus rig which has been available since April or March of this year. "QRP+" refers to the previous version(s).

The "AGC Thump" problem in the QRP+/QRP++ is the result of significant signal delay through the Switched Capacitance Audio Filter (SCAF) which is before the AGC detector and after the IF stage to which the AGC voltage is applied. The problem is particularly noticeable on strong signals (and is compounded by too much IF gain in the QRP++ [*]), hence using the 20 dB input attenuator and/or adding an RF gain control can help.

The approach that I have taken is to add a simple diode limiter at the output of the SCAF to limit the peak audio level until the AGC has time to take effect on strong signals. This does not completely eliminate the problem but it sure reduces the "thumps" and "bumps" caused by strong signals. The mod is fairly simple and is described in a text file on the QRP-L FTP site (ftp.Lehigh.edu). To obtain a copy of the file, do an anonymous login on the FTP site (also reachable from the QRP-L WEB page), move to the directory /pub/listserv/qrp-l/mods and "GET" (or "RETRIEVE", depending on your FTP software) the file index_audio_mods.txt (the file also contains info on a couple of other useful audio mods).

You might also be interested in reading my article in the July issue of The QRP Quarterly in which I described a side-by-side comparison of my modified QRP+ and a fairly recent QRP++.

[*] In the latest production version of the QRP++, the effect of high IF gain has been offset somewhat by reducing the signal level going into the SCAF. A mod to effect this change for earlier versions of the QRP++ (NOT the QRP+) is available from Index and consists of a single resistor change. This helps the "thump" problem, but also reduces the audio output of the rig, changes the S-meter sensitivity (which, in my option, is too high without the mod anyway) and possibility affects the ability to detect very weak signals.

"Any opinions expressed herein are my own and probably do
not agree with those of my employer, the U.S. Government
or my spouse"

--... ..--

Larry V. East (W1HUE)

Idaho Falls, ID

e-mail: LVE1@inel.gov

Packet: W1HUE@WT7B.ID.USA.NOAM

work: (208) 533-4005 home: (208) 529-2162

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: scott.thomas@circellar.com
Subject: [1884] QRP+ For Sale
Message-ID: <9607311138.0GCST00@circellar.com>

QRP+ For Sale including stock mic. \$499 shipped to the 48.
No Mods, No problems, No scratches.

Scott, NM1J.

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: rxd7@rabbit.INS.CWRU.Edu
Subject: [1827] Quest for Micronaut Kit
Message-ID: <199607301405.KAA23796@hunny.INS.CWRU.Edu>

Good Morning Group.

Recently I tried to purchase a micronaut kit with no success, I was given to understand that that they would produce no further kits.

Sooo, if anyone wants to part with a kit, I would like to purchase same.
Please E-Mail me if you wish to sell a micronaut kit.

72, Dick, WD8ISB

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: Gary Surrency <gsurrenc@ix.netcom.com>
Subject: [1886] RSU Parts and Circuit Diagrams
Message-ID: <12D44887.50E9@ix.netcom.com>

Some of you might not be aware of this, as I wasn't until today.
Your local Radio Shack can order a Service Manual for almost
all of the products they sell and the cost is very reasonable.

There was some discussion lately on some of the equipment Radio
Shack sells, like the DSP unit recently on sale. If you are

interested in the schematic and repair parts list, this is a better alternative than Sam's PhotoFacts sheets and is cheaper, too.

Ask the store manager 'cuz some of the salesmen might not be aware of this. As a matter of fact, Rat Shack CAN order Sam's PhotoFacts as well if you need them for other equipment. I have ordered both from my local Shack, and it is a nice convenience when you need more info.

This is handled by what is called "Radio Shack Unlimited". The order is taken and yo' pays yo' money, then they send the literature to your home address. Typically takes 1-2 weeks. :-)

Standard Disclaimer: I neither work for Radio Shack or endorse their products. I'm just a satisfied customer and I like their service and availability.

72/73,

--

Gary, AB7MY QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-l@Lehigh.EDU Wed Jul 31 15:25:14 1996

From: torell@sicom.com (Kent Torell)

Subject: [1881] solar news

Message-ID: <v02130500ae252712b8e5@[192.91.202.41]>

The sunspot patch that gave us the solar flux peak two weeks ago has rotated back into view. It is in a stable configuration, and doesn't appear to be generating any outbursts causing geomagnetic storms. The forecast for the next few days:

Solar flux steady at 80, geomagnetic field quiet.

We should see pretty good early morning long distance skip, before the E layer sets in.

Kent Torell torell@sicom.com 602-483-2867 x40

SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260

AB70A Tmps 1996 Qs=016 States=11 Confirmed=01 DX=01

AK AZ CA CO HI ID KS OK OR TX WA

VE

From owner-qrp-l@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: John D Young <jdy@whitney.ufl.edu>
Subject: [1843] Spectrum Analyzer
Message-ID: <Pine.LNX.3.91.960730150056.7856A-100000@whitney.ufl.edu>

All

The Sept 96 issue of Electronics Now has an article on building a spectrum analyzer. coverage is from 0-100 Mhz and claims sensitivity of better than -80dbm or 22uv. Dynamic range is over 50 db. The article claims it can be built for less than \$100. Part 2 next month will cover construction.

All I know is what I read today so I can't provide any answers. If you have a scope and would like to have a spectrum analyzer, take a look at this article.

73 John WA8KNE

From owner-qrp-l@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: weinfurtner@ouvaxa.cats.ohiou.edu (Greg Weinfurtner)
Subject: [1891] SRI! I sent attachments by mistake!!!!
Message-ID: <v01510100ae25417a9187@[132.235.72.11]>

Gang,

AAAAAAAAARRRRRRRRRRRRGGGGGGGGGG! I am thrashing myself with a whip made out of 3/4" hardline for sending attachments tp QRP-L by mistake!

There I was, trying to be a nice guy by sending out a 49er placement picture to a fellow qrper....my own computer has turned on me...

I'll be wearing sackcloth and ashes while eating crow sandwiches...

Humble apologies de NS80

From owner-qrp-l@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: "Arjen Raateland, SYKE/YV, puh. 90-4030 0457" <Arjen.Raateland@vyh.fi>
Subject: [1836] St. Louis tuner on 15 m

Message-ID: <01I7P1SH6UN68WXF1X@vyh21.vyh.fi>

Gang and particularly St. Louis tuner users,

My first message was perhaps too long, so I'll try again.

Band of interest 15 m (21 MHz, i.e. almost VHF compared to 80 m ;-)

Device under test: St. Louis tuner from Norcal kit, High-pass T-circuit with ca. 300 pF caps and 20 microH total inductance on a iron-powder toroid.

Load at tuner output: 50 Ohms dummy.

Function switch in pos. DUMMY LOAD: No reflected power.

Function switch in pos. OUT: No reflected power.

Function switch in pos. TUNER: I cannot find any settings of the capacitors and inductor where reflected power is as low as without the tuner circuit switched in between source and load. No dip to be observed. The best position I found is: both caps at maximum and inductor not too small.

The readings on the built-in bridge agree well with what I see on my WM-1 from OHR. (I use the WM-1 with a (big!) Annecke tuner for my balanced line and 2x20 m doublet antenna and I find it reliable.)

I have added extra ground connections on the bottom side of the PC board, and grounded all four corners to the fixing posts. The internal dummy works really well after this modification. It is now even slightly better than the external dummy, which is reasonable as the external dummy has more wire in series.

So my questions are:

What should the settings of the SLT be to match a 50 Ohms load to the source at 21 MHz?

(I know I have a match w/o the tuner, but if I can't even get a 50 Ohms dummy to match ...)

Is there perhaps something fishy with my tuner? I've checked the wiring and it is a very simple circuit ... On 80 m results were better when I tried some time ago.

I would be grateful, if somebody would tell me about his/her own findings with the SLT.

73, Arjen, OH2ZAZ

Arjen Raateland
Suomen Ympäristökeskus / YV
---... ---... ---... ---... ---... ---... ---... ---...
Finnish Environment Institute, Helsinki, Finland
SAS Support
EMAIL: Arjen.Raateland@vyh.fi
tel. +358 0 4030 0457
fax +358 0 4030 0490
.---. ---

From owner-qrp-l@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [1823] Ten-Tec now on Ten-Tec reflector!
Message-ID: <Pine.3.89.9607300850.B6121-0100000@w3eax.umd.edu>

How strangely appropriate!

For sales-type questions and orders..."Ten-Tec, Inc."
<74130.212@compuserve.com>

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
*** 6m 75 grids worked on 8 watts *** HF 138 cfmd * QRP-L #147 ***
** QRP ARCI #9054 ** DXCC/WAS/WAC *** 100% dipole powered HF/6m **
* 301-549-1022 h / 301-982-1015 w *** 145.490- 147.225+ PL 156.7 *

From owner-qrp-l@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [1841] Transistor equiv
Message-ID: <199607301959.TAA19313@mail.enterprise.net>

Quite a few have asked me to send the transistor equivalent programme. I have put it on my web page. It is tor.zip and is about 300k long. It gives equivalents for many devices, not fets, is in Dutch, but you don't need to speak it as it is easy to follow! I will leave it on for 2/3 days only as it is filling my web page up! Just download it and use, but be quick!
Cheers.

--
Frank G3YCC
Ham Radio QRP Web Page:
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: QLF%mini@magic.itg.ti.com
Subject: [1873] TRANSMITTER EFFICIENCY
Message-ID: <9607311335.AA17696@itg.ti.com>

From: Brad Bradfield QLF

Subj: TRANSMITTER EFFICIENCY

> tx output power / PA input power

> As I said, the latter is useful if you're looking at power amplifier
> performance, which in rigs of this class is by far the largest current hog.
> But it's also the hardest to measure, since you have to disable the PA
> briefly to measure the non-PA current.

> The other two formulas are more useful for predicting battery life.

> 73,
> Wayne

The latter method (tx output power / PA input power) is, in fact, how the broadcast industry calculates efficiency, commonly called plate efficiency. Transmitter output power is measured using a RF ammeter for AM, or an in-line wattmeter for FM or TV, and divided by the product of the PA plate voltage and PA plate current. (Or the collector or drain voltage and current for the new fangled transistorized transmitters.) In the case of tube finals, efficiency is an indication of tube condition, losing efficiency as they get older.

73's

Brad, WB0CGH

Brad Bradfield, PE Electrical Design Engineer
(H) 817-321-2960 Texas Instruments, Inc.
(W) 214-462-6230

QLF@MSG.TI.COM

WB0CGH@W05H.#DFW.TX.USA.NA

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72
Collector of wireless and landline Morse keys and accessories.

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: svecbrdk@well.com (Lillian Svec and Wayne Burdick)
Subject: [1818] TX efficiency correction--right conclusion, wrong formula
Message-ID: <199607300453.VAA27983@mh1.well.com>

I probably caused some snickers with my "formulas" for tx efficiency.
Forgot to double-check that part of my note about the Explorer II tests.

My conclusions were sound, but the three formulas for measuring "TX
Efficiency" should have been:

tx output power / total rig power
tx output power / total tx circuit power
tx output power / PA input power

As I said, the latter is useful if you're looking at power amplifier
performance, which in rigs of this class is by far the largest current hog.
But it's also the hardest to measure, since you have to disable the PA
briefly to measure the non-PA current.

The other two formulas are more useful for predicting battery life.

73,
Wayne

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: "Floyd Soo, KF8AT" <hires@rust.net>
Subject: [1888] USECA Mega Field Day Results (late)
Message-ID: <31FFB811.7EF6@rust.net>

For all of you that have been interested in the final tally of points for
USECA's 16A QRP-battery Field Day; here are the results:

260 participants on the guest register

160 CW	20 QSOs	160 Phone	5 QSOs
80 "	225 "	80 "	170 "
40 "	346 "	40 "	276 "
20 "	102 "	20 "	131 "
15 "	122 "	15 "	64 "

10	"	3	"	10	"	8	"
6	"	1	"	6	"	9	"
2	"			2	"	78	"

Packet	84	"
220 FM	1	"
440 FM	10	"

Novice CW	17	"	Novice	"	54	"
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Total CW QSOs =	920	Total Phone QSOs =	806
-----------------	-----	--------------------	-----

Total CW Points =	1840	Total Phone Points =	806
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(Total QSO Points) 2646 X (QRP mult) 5 = 13,230 Points

Bonus Points approximately 2,000 Points for:

- 100% Emergency Power
- Media Publicity
- Public Access
- Info Booth
- W1AW FD Mssg
- Message Handling
- Packet Radio
- VHF/UHF

This should bring our final point tally to over 15,000 Points!

Stay tuned for additional information on the different stations themselves. I am still awaiting each station chairperson to submit a final comment sheet on what equipment and antennas were used, operators used, etc.

I can say this - We have always run generators before; the lack of noise, EMI/RFI and physical noise was fabulous! Our club is tempted to do this all over again for this reason alone! In our minds, the silence (in the field) was golden!

73 and Tnx for all of your support and interest!

Floyd Soo, KF8AT
QRP-L #392
President, USECA

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: DavidL@bangate.compaq.com
Subject: [1839] Vibroplex EK-1 Battery?
Message-ID: <vines.sCw7+wGYzlA@bangate.compaq.com>

In the process of moving, I have lost the
battery to my Vibroplex EK-1 Brass Racer keyer.

Does anybody have the number of the battery?

All Vibroplex would tell me is that it is 7.5V and, with
shipping, comes to \$12. Sounds pretty expensive...

Thanks
W5RIF

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: Kevin Muenzler <wb5rue@amsat.org>
Subject: [1871] Where is XJ1?
Message-ID: <01I7PQZCMUX090PS65@ARWEN.UTHSCSA.EDU>

I talked to XJ1CWI last night on 40-meter CW.
It was one of those 599 thx... QSO's in a pileup.
I can't find any reference to XJ1 anywhere. I looked
in the ITU prefix allocations and it "belongs" to
Canada. Is it some special event station? Is it
some little island in the Northern Territories?
Thanks

Kevin, WB5RUE
wb5rue@amsat.org

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: Allen Jones <ajones@adsnet.com>
Subject: [1828] Wilderness NC40A For Sale
Message-ID: <1.5.4.16.19960730092054.2e573eae@206.158.2.1>

I have too many QRP radios! After filling out Chuck's QRP questionnaire I
discovered I have 7 QRP capable radios and really only use two or three so
here goes:

Wilderness NC40A less than 2 months new. Built by experienced constructor,
(30+ yrs), tested but never on the air. 1.8W out when powered by 12V. Will

sell for \$115.00 US ppd to the lower 48.

Allen Jones, K9DZE
ajones@adsnet.com
219-873-2848 (work # rings at my desk)

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: Allen Jones <ajones@adsnet.com>
Subject: [1832] Wilderness NC40A For Sale
Message-ID: <1.5.4.16.19960730100658.2eef1234@206.158.2.1>

The NC40A is sold.

Thanks . . .

72/3 de Allen, K9DZE

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: George Gingell <k3tk@u1.abs.net>
Subject: [1838] Wilderness Sierra
Message-ID: <Pine.BSI.3.93.960730132024.7103A-100000@u1.abs.net>

From: "M. E. Monninger" <markem@primenet.com>
Subject: Looking for info on Sierra/Wilderness Radio

This is probably a faq but does Wilderness Radio have a web page? I'm looking for info on the Sierra (price, mainly) and seem to remember hearing that they have a page. Try as I might, I can't find mention of it anywhere.
Then again, it could be just my imagination.

Thanks & 73... Mark AA7TA

SIERRA INFO. from G. Danny Gingell, K3TKS

Extracted from WorldRadio, August 1996, Page 59.

The SIERRA Multiband CW Transceiver Kit.

The Sierra uses plug-in band modules for 80, 40, 30, 20, 17, and 15 meters.

Size 2.5" H x 6.2" W x 5.5" D .

Easy off top cover for access to band modules and plenty of room for customization.

The superhet receiver has excellent AGC range and sensitivity, RIT, and a 400 Hz crystal filter. Transmit power is about 2 watts output. With receive-mode current of only 35 mA, the Sierra is the ideal rig for battery-powered QRP!

3 bands, \$ 295 6 bands, \$ 369

Call or write for price list and full specifications.

Bob Dyer, KD6VIO (Owner of Wilderness Radio) N6KR, Wayne Burdick
(Designer)

<wayne@interval.com>

WILDERNESS RADIO, P.O. Box 734, Los Altos, CA 94023-0734 (415)494-3806

QRP DX TU (C) 1986 G.Danny Gingell, K3TKS@.abs.net

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: Tony Fishpool <101573.3220@compuserve.com>
Subject: [1824] Yet another 49er Story
Message-ID: <960730133933_101573.3220_IHK8-1@CompuServe.COM>

I bought a 49er kit at the hospitality suite in the Days Inn this year to see what all the fuss was about and I built it when I got back home. It sort of worked, but the broadcast interference was incredible over here. So I put it to one side and got on with something else.

Recent chats on the G-QRP reflector had inspired me to dig it out and have another go. First I used Paul NA5N's audio mod. and that worked a treat. Now the BCI was even louder!

Digging deeper into the 49er mod. file from the Norcal web pages I tried Alan W6RCL's toroid mod (replacing RFC1). Using what looked like #24 wire, 24 turns went on. Power on, nothing much. So using my old faithful Heath GDO (with a real valve in), and link coupling it with the toroid I found it resonating around 6 megs. So with a few turns off it was peaking nicely on 40m. The difference is well worth making the change to a toroid.

I was monitoring the signal while transmitting into a dummy load and I

noticed a slight motor-boating quality to the output. I hung the scope on the output and the noise went away.

Clearly, 49ers are afraid of oscilloscopes! Well the next thing was to attempt a QSO.

This Saturday, Forty was alive with contest stations, so full of optimism I called CQ on 7.030. I called again. Good grief, that's my callsign that French station is calling! Very generously I thought, Marcel F5HM gave me 559 from Lille. Now a distance of 150 miles hardly qualifies as DX but I was well pleased.

On Sunday I built the board into a box and fired it up again. Disaster! even though I have since taken it out of the box the same symptom exists. Transmitting into a dummy load, I get a nice clean signal. When I do the same with a nicely matched aerial, the second I release the key, the output is hitting the supply rails. i.e. 9 volt peak signal (of sorts). Right now

my fingerprint is engraved into the lid of the PA transistor and my finger has the

letters "2SC..." printed on it backwards! Surprisingly, the transistor has survived

and I tried Les K8WVG tip, with a 1K across RFC4. The next thing to try is to replace the RFC's with toroids. I knew it was a mistake trying to put it into a box!

So my thanks to the gentlemen named above for their modifications and also to Wayne & Norcal for the kit. It's generated a lot of fun, which after all, is the name of the game.

72,

Tony - G4WIF

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996

From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>

Subject: [1849] Re: 14060

Message-ID: <Pine.OSF.3.95.960730144127.30117B-100000@duke.usask.ca>

I'll try not to take up too much bandwidth. I don't know what it is like in the U.S. and elsewhere but it is conceivable that in Canada one could take all the exams to become a full fledged Advanced 12 wpm Amateur and not even know there is a band plan. Since it is not part of the law it does not show up on the regulations part of the exam. It is not theory. Nor is it Morse code ;-) I found out about it because another ham (my Elmer) told me about it and I took the trouble to look it up in the BACK

of the ARRL handbook.

This certainly emphasizes the importance of Elmers to initiate new hams into the etiquette of the air. Also in the literature meant for new hams we could be doing more education regarding the proper use of the spectrum. I know the ARRL does have an operating procedures book but that's another purchase, it does not contain any information that will be on an exam ...

As I say, I can only speak for Canada. I would also emphasize that I do not condone ignorant (as in I didn't know there was a convention) or rude (now that I know I don't care) behavior on the air. However, I think we could do more while educating new hams to impress upon them (and re-affirm for ourselves) the importance of good manners.

Brian.

```
+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |
| VE5RDV |
+-----+
| "If I had only known, I would have been a locksmith." |
| -- Albert Einstein |
+-----+
```

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: AE0Q / V31RY <v31ry@ix.netcom.com>
Subject: [1864] Re: 14060
Message-ID: <2.2.16.19960730231228.379f8f74@popd.ix.netcom.com>

Keith, WB2VUO wrote:

>How much of the problem on 14060 KHz and/or 7040 KHz literally is a case
>that the Data Ops don't "hear" any of us???

>

On HF data modes you still have to TUNE in the signal, it's not channelized like on VHF packet.. I been operating QRP cw AND rtty for 25 yrs; I use PacTOR now, and it IS possible to turn down the volume, but every digital op I know still wants to hear what's happening on the band..

The data signals on 14.060 are usually a new mode called Clover, and I think the problem is that we're letting hams take silly multiple-guess tests to pass a CW exam, and then they never operate it again.. They have no interest in cw, and don't care about it, either.. They've never used it!

I don't think they are the majority of digital ops, but they are the ones we hear on the QRP frequencies..

Earlier this year I mentioned this to the editor of The Digital Journal, Jim N2HOS. He and Rich W0HEP (President of the CQC) exchanged e-mail on the subject, and Rich listed all the traditional QRP CW frequencies for him. Jim is also a QRP operator, and has been listing the QRP cw frequencies quite often in the Journal, and asking everyone to stay clear of them. It may help, but of course not all hams using digital modes subscribe to the Digital Journal.

Not all digital ops are 'evil', and we're trying to get the word out!

73 -- Glenn

Duct Tape is like the Force: It has a light side, and a dark side,
and it holds the Universe together.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: wq8q@juno.com (Rick Tyler)
Subject: [1869] Re: 14060
Message-ID: <19960731.080842.10175.0.wq8q@juno.com>

International conspiracy to rid the world of CW operators? Maybe the Hong Kong police will land in our neighborhoods in their unmarked black helicopters and come take away our keys! Shall we start a CW-QRP Militia?

C'mon guys. This is getting a bit out of hand.

If I remember right, band plans are SUGGESTIONS that we would all like to see followed, to make everyone happy. There are a lot more data operators than there ever have been, thanks to the increase in technology of data communications schemes. Therefore, they need more room.

When I look at what we're allowed to operate on, 20 meters for example, the only REGULATIONS I see state that from 14.000 to 14.150 we may operate CW, RTTY, and DATA, and from 14.150 to 14.350 we may operate CW, PHONE and IMAGE. Those are the rules. If you want to look at it as an outsider might see it, CW operators have the whole spectrum from 14.000 to 14.350 in which to operate, so what are we complaining about?

It is upsetting that folks are encroaching on "our" QRP frequencies, but it's like having bad neighbors. No law against it, and the only choices you have are to continue arguing with the neighbor, come to agreement with him, or move! The worst thing you can do is talk to all the other neighbors about how "bad" that neighbor is, and increase the ill feelings that are already there.

73 de Rick, WQ8Q
Cincinnati

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [1876] Re: 14060
Message-ID: <199607311409.HAA21957@dancris.com>

At 04:09 PM 7/30/96 -400, Bob, AA30N wrote;

>I don't think we should be
>figuring out reasons *why* they violate the band plans, the fact is
>that they do, and we should take notice, and stand up for ourselves.
>

This is exactly right. There are rules against willful interference, and there have been times when the FCC and others have taken action against 'jammers' and the like. If there is an agreed upon band plan, formal or not, and if the US is a part of that agreement, then some action should be taken. We have all heard of, or even received, notices about operating beyond or too close to the band edges; why not for operating in a mode not permitted by the band plan?

Maybe the various clubs should gently remind ARRL and the FCC about this and point out some of the more flagrant violations. If that doesn't work, maybe a 'grassroots' effort would be warranted.

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-1 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [1880] Re: 14060
Message-ID: <199607311500.IAA22668@dancris.com>

At 07:50 AM 7/31/96 -0700, you wrote:

>

>Band limits are law - band plans aren't. Voluntary band plans are just
>that - voluntary. I suppose one could argue that ignoring band plans
>is bad amateur practice and therefore in violation of 97.101(a), but
>this is controversial and I doubt any FCC official would want to write
>such citations.

>

Maybe I intimated that the band plan was binding, and you are correct, it is not. But why enter into an agreement of any sort (unless you are a politician) knowing that you are not going to adequately publicize it or without a plan to ensure some sort of compliance? I know that these are a sort of international 'gentlemen's agreement', but if they are to have no force, then why have them? As someone mentioned, most amateurs don't know of them until someone else brings them up...they don't seem to be widely publicized.

I don't know, maybe the 'grassroots' effort could at least make someone aware that there are those of us who know of and support the band plan, or to let them know that they are often ignored and are not worth the time and effort it took to convey them.

73,

Bob KI7MN NorCal 1221 ARCI 8918 Qrp-l 271 CQC 274 ARRL (Not in any order of importance!)

From owner-qrp-l@Lehigh.EDU Tue Jul 30 23:12:13 1996

From: Ahlgren@NCSBSR020U.ntc.nokia.com (Ahlgren Jukka (NTC/BS-OU))

Subject: [1820] Re: 14060 - frequency for cw, or for da

Message-ID: <1996Jul30.093446.1604.211354@ntcit-mmta7.ntc.nokia.com>

>What was I saying about amateurs cooperating? Odds are this operator didn't

>know that 14060KHz is a popular QRP frequency. Calling this operator a
>'freak' and 'jerk' doesn't do much to educate, but can do much to sow
>discord.

>

>Dana KK6JQ

>Dana@Source.Net

Are you guys sure, that this is an amateur station?
Does any of you have a data receiving system, so
we can make sure who to blame?

Jukka OH6SC/OH8NGF

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: Mike Cloud <cloudm@mhsgate.meth-mem.org>
Subject: [1825] Re: 14060 - frequency for cw, or for da
Message-ID: <39CCFD3101172C16@mhsgate.meth-mem.org>

>we can make sure who to blame?

>

>Jukka OH6SC/OH8NGF

>

>

>

Did you hear him too, Jukka? Maybe next time we can do some triangulation (sic?).
I guess I better dust off the HF side of the Kam es see what I can copy. de Mike,
KR4IT

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: Peter Barville <peter@barville.demon.co.uk>
Subject: [1842] Re: 14060 - frequency for cw, or for data?
Message-ID: <7CPfQFACK1\$xEwTZ@barville.demon.co.uk>

It's been interesting reading the comments made in reply to my original
posting concerning the problem of data transmissions around 14060kHz.

However, I have to say that I think many are missing the point. The
fact of the matter is that data operators, if they were abiding by the
internationally agreed band plans, would not be operating anywhere near
14060kHz, and there would be no need for discussion about receiver
sensitivity, different modes using different 'shifts' etc etc.

Yes, they are amateur stations, and (with the right equipment) it is not
hard to identify them. Sadly, there have been occasions when (certain)
PACTOR stations (in one case it was a VE in qso with a CN8) have been
heard positively revelling in the annoyance that they cause cw operators
by using that part of the band. Make no mistake .. they know full well
that they are in (what should be) the cw segment, and are even often to
be found well below 14060kHz.

Neither can I accept that "because we run QRP" they cannot hear us.
There may be occasions when this is the case, but not always. Don't
make the same mistake that many QRO operators make by thinking that,
by definition, QRP signals are always going to be weak. Sometimes, yes,
often no.

It is true that the software in a digital station may choose to ignore cw stations, and only recognize another transmission of the same mode, but is that any excuse for the operator allowing his system to transmit on a frequency that is already in use - by whatever mode? In any case, this simply serves to underline the need for orderly band planning, and adherence to agreed frequencies, because such problems would then not arise.

There is no doubt that many of the data operators have no real interest in anything other than their own chosen mode, and therefore see little reason to adopt a harmonious approach to other band users. For example, I once had a discussion with a 4X station who runs 20m packet, asking him whether he is aware of the problems being caused to the beacon network on 14100kHz (have you tried to listen to these beacons recently?). His reply was along the lines of .. I will transmit packet wherever I like on 20m, and couldn't give a xxxx about *any* other band users, or modes.

Now I know these comments will not apply to all data operators, but it certainly applies to a growing number of those appearing on 20m (and on 40m). My original point is that we should not be sitting idly by, while they attempt to re-write band plans by force.

72

--

Peter G3XJS

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: Clay N4AOX <wyn@worldnet.att.net>
Subject: [1861] Re: 14060 - frequency for cw, or for data?
Message-ID: <31FEBCCD.5BCC@worldnet.att.net>

Peter Barville wrote:

>

> Hi Gang

>

>

> I suspect Stateside operators are suffering similar problems (although
> I don't know about other parts of the world), and if this is the case
> then I suggest now is the time to make your feelings known.

> it is
> not unusual to find Packet, or Pactor transmissions spreading down
> across the frequency. I don't expect Stateside operators to be too
> concerned by this, but it may be worth remembering that our chances of

> hearing USA QRP signals around 7040kHz are therefore very slim.
>
> I would like to think that radio amateurs can live together in harmony
> on the bands, without the need for open aggression

> bring the problem to the attention of our various governing bodies.
> 72

Peter,

As you are aware there are forces at work around the world to attenuate the influence of on-off keyed carrier morse communication in the HF spectrum. If the CW ops can be discredited, or discouraged then the chances of increased spectrum allocation to data transmission will be heightened. Also, of course, if these actions result in CW influence declining, the "no-code HF" argument will be given further credibility. "No-code HF" is the last barrier to lining appliance operator supplier's and other interested party's pockets with money.

Here in the US, our government and the ARRL cooperated in carving out 132 KHz of the HF spectrum to fully automatic data stations. On forty meters they carved off the lower 5 KHz of the novice band 7100 to 7105 KHz. As you say "easy meat". The theory was that by introducing automatic stations (no human operator to determine if the freq. was in use) darwinian forces would soon cause other operators to vacate. Probably very little thought was given to international propagation and interference this would cause as the sunspot cycle peaks.

Most data mode operators I have questioned admit that they do not listen for CW QSO's on the frequency, but rely mostly on visual signal acquisition devices. There are some that do listen. Some on this reflector I suspect, who are respectful of other QSO's, but alas, in the minority.

So, in a sense, it is a war, and one in which OOK Morse will, eventually, be the loser. The best defense, as the Chuckmeister would say, is to go forth and operate. Populate all bands with CW QSO's. There is strength in numbers.

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [1862] Re: 14060 - frequency for cw, or for data?
Message-ID: <Roam.3.0.838784951.24164.myers@bigboy>

Clay N4AOX wrote:

> As you are aware there are forces at work around the world to
> attenuate the influence of on-off keyed carrier morse communication
> in the HF spectrum. If the CW ops can be discredited, or discouraged
> then the chances of increased spectrum allocation to data transmission
> will be heightened. Also, of course, if these actions result in CW
> influence declining, the "no-code HF" argument will be given further
> credibility. "No-code HF" is the last barrier to lining appliance
> operator supplier's and other interested party's pockets with money.

You really think there's a conspiracy among data operators to run
CW operators out of amateur radio?

> Here in the US, our government and the ARRL cooperated in
> carving out 132 KHz of the HF spectrum to fully automatic data
> stations. On forty meters they carved off the lower 5 KHz of the
> novice band 7100 to 7105 KHz. As you say "easy meat". The theory
> was that by introducing automatic stations (no human operator to
> determine if the freq. was in use) darwinian forces would soon cause
> other operators to vacate. Probably very little thought was given
> to international propagation and interference this would cause as the
> sunspot cycle peaks.

Hey, the radio service evolves. There's no evil conspiracy to
kill Morse code - there's just more data operators sharing the same
allocations. It ain't war, it is just change.

By the way, I rarely use HF packet, but I enjoy HF CW whenever I can
find time to get on the air...

Dana KK6JQ
Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [1845] RE: 14060 and so on...
Message-ID: <19960730.154210.11247.0.wb2vuo@juno.com>

I am not running HF data modes, so I really don't know how most ops have
their TNC/TU/etc configured. However, on VHF packet, I don't hear any
activity due to the speaker being disconnected, and, worse yet, the TNC
doesn't "hear" any non-packet activity...

"How's this", you say??? Well, the data detection is set up to recognize
the appropriate tones used, and --Nothing Else--...

I can have a grunch of FM (or other analog) QSO's on the LAN frequency out here in the Depths of the Great Bergen Swamp, and the TNC will run right along as if it is on a completely empty frequency. In fact, the local "full-service" BBS ID's every 5 minutes on CW, but I didn't know this until one day that I was monitoring my radio with a scanner (I was checking for a bum mike line...)

How much of the problem on 14060 KHz and/or 7040 KHz literally is a case that the Data Ops don't "hear" any of us???

Maybe the answer is to expand Data privileges to allow "compatible" data transmissions anywhere that Voice is allowed. After all, the bandwidth is less, and we would "conserve" spectrum (at the price of VERY high blood pressure, for sure!!)

72/73, Keith, WB2VUO, QRP-L # 582

wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: femens@iquest.com
Subject: [1855] Re: 14060 and so on...
Message-ID: <199607302334.SAA17127@vespucci.iquest.com>

Regarding your comment about the commotion you stirred up running an rtty qso through a voice repeater, I agree that a lot of repeater users are opposed to non-voice modes because of prejudice or misunderstanding, but there's another factor. Many repeater users monitor the repeater output anytime they are within hearing range of their rig. A digital transmission through the voice repeater draws fire mainly because it is not soothing mellifluous (?) sound of their buddies' voices, but the strident, annoying "squall" of a digital transmission. Much of that gets annoying if you're monitoring a frequency.

Frank Emens, Huntsville Alabama "femens@iquest.com"
"Things are more like they are now than they have ever been before."

From owner-qrp-l@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [1858] Re: 14060 and so on...

Message-ID: <Pine.SUN.3.90.960730171723.6120D-1000000@vortex.sage.dri.edu>

On Tue, 30 Jul 1996 femens@iquest.com wrote:

> running an rtty qso through a voice repeater.....

Hmmmmm, AFSK via FM.....what does that wind up being? Anything legal?

cul

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Tue Jul 30 23:12:13 1996

From: wb2vuo@juno.com (William K Hibbert)

Subject: [1859] Re: 14060 and so on...

Message-ID: <19960730.211128.11255.1.wb2vuo@juno.com>

To answer Ron's question, yes it's legal. It's still F2, as is the "normal" 1200 Baud packet, and it IS legal to run PACKET/RTTY/ASCII/Etc, subject to policies established by the Trustee(s)/Control Ops, Etc...

The 146.70 repeater in the Providence, RI area used to, at least in the late 70's....

72/73, Keith, WB2VUO, QRP-L # 582

----- Begin forwarded message -----

>>On Tue, 30 Jul 1996 femens@iquest.com wrote:

>>> running an rtty qso through a voice repeater.....

>>Hmmmmm, AFSK via FM.....what does that wind up being? Anything
>>legal?

>>cul

>>73, Ron,

>>.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

>>....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
>>....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

----- End forwarded message -----

From owner-qrp-l@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [1819] re: BERRYLIUM OXIDE
Message-ID: <Pine.SUN.3.90.960729221942.2638A-1000000@vortex.sage.dri.edu>

On Mon, 29 Jul 1996, Raymond Sommers wrote:

>
> SOMETIMES they are a bit overprecautionary -
>

Believe it or not but we have a permit to allow our tap water
to go down the drain!

And the tap water is connected to the water coolers, which pass
the drinking tests....

Go figure!

Monte, KU7Y

From owner-qrp-l@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: john andrews <jm165723@eee.org>
Subject: [1878] Re: Bragging time
Message-ID: <31FF7245.24B1@eee.org>

Paul R. Valko wrote:

>
> the 10M crystals, and the CW filter. What I was really interested inSnip...

Hi Paul:

Yep...I've got one. Tried to get a manual for it here on the net
and ended up with the manual for a 540!

It is,indeed, a nice rig. Use it with the R4B and very satisfied.
You won't find many mods....not needed!

72, John- N5INZ

BTW- One mod you might try...And easy. The CW filter uses the old stand-by, '747 op amp. The TL0-84 low-noise op amp is a direct replacement.

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)
Subject: [1846] Re: Counter/Digital Readout for Rig
Message-ID: <199607301952.PAA47985@nss2.CC.Lehigh.EDU>

>One other Company which has more than one product to fill the bill
>for adding digital readout on your QRP rig is S&S Engineering of
>14102 Brown Road, Smithsburg, MD 21783. (301) 416-0661 .
>

Hello Gang,

I built a frequency counter from S/S. It is a great kit, Worked first time.
I installed it in a Ten Tec box along with a keyer and 40/40 kit,
(40\40 means 40 meters for 40 \$, and was a NE. QRP club project).

Technical help from S.S. is friendly and very helpful. Just plain ole nice folks to do business with,(standard disclaimer).

BTW, this rig did cause a stirr at the loacl and QRP club meetings.

73 de AA1IK
Ernie

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: rright@primenet.com (Roger Hightower)
Subject: [1817] RE: CW as a licensing requirement (correction)
Message-ID: <199607300426.VAA28013@primenet.com>

>Date: Mon, 29 Jul 96 20:15 EST
>From: "Rodney J. Stafford" <0002805867@mcimail.com>
>To: Roger Hightower <rright@primenet.com>
>Cc: kb6zv <kb6zv@arrl.org>
>Subject: RE: CW as a licensing requirement
>
>Roger -- I just noticed a mistake in my response:

>
>I wrote:
>
>I am concerned that small
>numbers of these new licensees haven't upgraded and I hope that will change as
>time goes on.
>
>That should actually read as follows: I am concerned that only small numbers
>of these new licensees have upgraded and I hope that will change as time
>goes on.
>
>73, Rod Stafford
>

NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: weinfurtner@ouvaxa.cats.ohiou.edu (Greg Weinfurtner)
Subject: [1831] Re: Differences in capacitors
Message-ID: <v01510100ae239844a7d2@[132.235.72.11]>

>I need to order some capacitors for a project, but can't quite find all the
>types/values I need. What types are compatible with each other? For
>example, I need a couple NPO/COG types, but the outfit I'm going to order a
>bunch of other stuff from doesn't carry these. They have others, like
>polyester, mylar, polystyrene, tantulum, monolithic & silver mica. Which of
>these can I substitute for each other? I realize that many are compatible,
>just "higher quality" than others.

Mike,

A lot depends on the intended use of the capacitor.

If the capacitor is for simple bypassing:

Audio Frequencies- electrolytic or mylar are fine since they don't
have to be

so precise or temperature stable. Almost any cap
will work here,

the trick is to get enough uf to do the job!

Radio Frequencies-use short lead ceramic, monolithic, silver
mica(not typically)

If the capacitor is for oscillator use:

Audio Frequencies- tantalum for oscs for large uf values, polystyrene for small uf values for precise applications.

Almost any of above

caps if stability is not critical.

Radio frequencies-polystyrene is one of the most stable followed by silver mica

types. SM's can exhibit unusual temperature coefficients sometimes

which can be used to your advantage! Designs have used ceramic NPO

in osc circuits. I've used ceramic with temp coefficients to

temperature-stablize an osc.(very common)

If the capacitor is used for filtering:

Power supplies- Nearly all use electrolytic because of larger uf/size ratio.

If the capacitor is used for coupling:

Any of the above caps can work well in coupling. Electrolytics can exhibit

a higher leakage than the others, so it is best to avoid them

in high impedance circuits. If you need a lot of uf, in a hi

impedance circuit, use a tantalum. At RF however, avoid

electrolytics.

There are many other cap types out there. Hope this helps you out. If I've made any mistakes here please let me know, I have a 15 minute break in the morning, I've typed as fast as I can and my break is just about gone!

73 to all from the banks of the lovely Hocking River!

```
*****
*                               Greg Weinfurtner AEE BSS *
*      NN      N  SSSSSSS  8888888  0000000  Electronic Design Splst *
*      N N      N  S      8      8  0      0  Ohio University Athens *
*      N N      N  SSSSSSS  8888888  0      0  GO BOBCATS! *
*      N  N N      S  8      8  0      0 *
*      N  NN  SSSSSSS  8888888  0000000 *
*****
```

```

*                               Can thou send forth lightnings *
*                               that they may go and say unto  *
*                               thee, 'Here we are'? Job 38:35  *
*   weinfurtner@ouvaxa.cats.ohiou.edu                          *
*   http://ouvaxa.cats.ohiou.edu/~weinfurtner                  *
*****

```

From owner-qrp-l@Lehigh.EDU Tue Jul 30 23:12:13 1996
 From: "Robert J. Gobrick" <rgobrick@nfld.com>
 Subject: [1851] Re: Differences in capacitors
 Message-ID: <2.2.32.19960730211238.0097dd8c@public.compusult.nf.ca>

Hi Greg and the QRP-L gang,

Thanks for your short 15 minute break tutorial on identifying the applications for different capacitors. Paul Harden NA5N in his latest book "The Electronic Data Book for Homebrewers and QRPers" does a good job at also explaining the different types of caps and general uses but he does miss a few like the polystyrene. And finally last year Wayne Burdick N6KR did a nice little write up here on the qrp-l about the Q values of caps in general and why some caps are better/worse than others for circuits.

Having said all that and having to admit that I'm an electrical engineer (although not practiced - hi) I am confused at the number of choices I am faced with when I open a DigiKey catalog. Polyester, Polypropylene, Monolithic Ceramic, Metallized Polyester Film, Ceramic Disc, Polystyrene, Dipped Mica, Silver Mica, Tantalum.... Damn I knew I should have studied more Chemistry when I was at school..

Does anyone want to take a stab at explaining the typical qrp applications (filtering, audio & rf bypass, coupling etc) and pluses (size, temp coefficients, high Q) and negatives (cost, low Q, temp coefficients) for the different categories of caps? That would be a GREAT benefit to QRP man(women)kind (personkind).

Thanks again Greg for your input.

73/72 Bob V01DRB/WA6ERB

At 11:06 7/30/96 -0300, you wrote:

> A lot depends on the intended use of the capacitor.

>
>If the capacitor is for simple bypassing:.....
>
> There are many other cap types out there. Hope this helps you out.
>If I've made any mistakes here please let me know, I have a 15 minute break
>in the morning, I've typed as fast as I can and my break is just about
>gone!
>
>73 to all from the banks of the lovely Hocking River!
> Greg Weinfurtner AEE BSS

```
-----  
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |  
| QRP'er Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |  
|       Internet:     rgobrick@nfld.com |  
|       Compuserve:   70466.1405@compuserve.com |  
|-----|
```

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: Dick G0BPS <Dick@kanga.demon.co.uk>
Subject: [1867] Re: GQRP - Books for beginners?
Message-ID: <yzBuXEAeSd\$xEwR8@kanga.demon.co.uk>

In message <199607291844.SAA27235@mail.enterprise.net>, Frank G3YCC
<g3ycc@enterprise.net> writes
>OK, now I have your attention! Now, if you were advising a beginner, what
>books would you recommend? I propose including a page on the subject on my
>web site. Do let me have your ideas.
>Thanks.

If you want a book on Ham Radio generally I would recommend Victor
Brands book 'Amateur Radio for Beginners'

If it is for the beginner to QRP, what else but...

'Introducing QRP' by Dick Pascoe G0BPS

Now where have I seen that name & callsign before???

Dick G0BPS/G0R00/M1ABJ Kanga Products
<http://ukinternet.com/ham/kanga>
QRP is about doing more with less

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: Dan Keen <70731.722@CompuServe.COM>
Subject: [1865] Re: It a dark day in CA
Message-ID: <960731060510_70731.722_EHM71-2@CompuServe.COM>

> Dave - spend the big bucks and put an environmentally safe bird feeder up
> on your balcony otherwise called the MFJ Super Hi Q Loop - that antenna
> works a lot of DX for me on my third floor apartment balcony from 30
> meters to 10 meters. That land lord of yours better be a bird lover - hi.
>

Or maybe a patio table umbrella with the Loop inside?

Or right on the patio chair for unwanted guests.

Or...

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: "Robert J. Gobrick" <rgobrick@nfld.com>
Subject: [1856] Re: It a dark day in CA (II)
Message-ID: <2.2.32.19960730224218.0097925c@public.compusult.nf.ca>

Dave - spend the big bucks and put an environmentally safe bird feeder up on
your balcony otherwise called the MFJ Super Hi Q Loop - that antenna works a
lot of DX for me on my third floor apartment balcony from 30 meters to 10
meters. That land lord of yours better be a bird lover - hi.

Cheers 73/72 Bob V01DRB/WA6ERB

At 15:38 7/30/96 -0700, you wrote:

> Seriously
> though, it's time to rethink my antenna strategy (actually it's time to
rent a \
> house out in the north/east bay wilderness...or maybe pescadero...anyone
> know of anything cheap?!?!? Didn't think so...
>
>
> 73 de dave. n9uxu

	Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada	
	QRPer Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP	
	Internet: rgobrick@nfld.com	

Compuserve: 70466.1405@compuserve.com

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: bcutter@teal.csn.net (Bob Cutter)
Subject: [1829] Re: Made in Japan
Message-ID: <199607301440.IAA05034@lynx.csn.net>

I disagree. My experience is that when I bring a new QRP project to the club "show and tell" it is met with amazement at the size and cost of the project or kit. I have averaged at least one club member trying a new project after each presentation.

I will admit I am a pretty good salesman on QRP and building. I am sure a lot of the converts say to themselves, "if he can do it, I am sure I could do as well or better".

73, Bob KI0G

>
>Laura, you hit the nail squarely on the head. My experience has been that
>the average ham nowadays isn't interested in any of my homebrew rigs unless
>they look commercially made. To that end, I not only try to make them work
>well, but they have to be pretty too. QRP'ers are different, however.
>That's why I prefer their company over all others.

>=====

>Bill Jones - KD7S <><
>Sanger, California
>Reply to kd7s@psnw.com

>=====

>

>

>

>

QBF? ZUE

Bob Cutter,Glenwood Springs, CO

KI0G

bcutter@teal.csn.net

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: weinfurtner@ouvaxa.cats.ohiou.edu (Greg Weinfurtner)
Subject: [1833] Re: Made in Japan
Message-ID: <v01510101ae23c7aecb84@[132.235.72.11]>

Gang, Laura wrote

>

>Personally, while the finished radios don't generally interest me, I
>am delighted to have components at my disposal that are the result of
>the gigabucks companies have put into product development. The
>components we have available to us have never been better - or
>cheaper. The Golden Age of Homebrewing is *now*.

>

>Laura Halliday VE7LDH	"C'est une femme mutine, assez
>lhalliday@creo.bc.ca	elegante, grave et legere, ayant le
>ve7ldh@amsat.org	sens du confort et du plaisir
>Locator: CN89mg	en tout." - C. Deneuve

Laura is totally right! Man, are there some great components out there.
Just pick up any data book of the last few years and there is usually an IC
that will do just about anything that you could want. Pick up a soldering
iron and go for it!

NS80

From owner-qrp-1@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [1834] Re: Made in Japan
Message-ID: <Pine.SUN.3.90.960730081615.3196C-1000000@vortex.sage.dri.edu>

All,

And always try to remember where the money comes from
to do the R&D to come up with all these fancy new parts!

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....

....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: kub@upl.com (Steve Kubisch)
Subject: [1844] Re:Made in Japan
Message-ID: <9607301942.AA01143@ringworld.pacificorp.com>

Hi,

Though I dearly love my Sierra and other QRP rigs I have built, they just don't stack up to my Kenwood TS-850 when condx get bad. The 850's great reciever and filtering options do make a difference. I can pull out signals that just aren't audible on the little rigs with the same antennas. I just crank the power down to <5W and enjoy. But on the other hand, look at the cost difference. I've never tried the hi end Ten-Tec's but understand they are great too. I am really amazed with the performance of my "rice box", I just hope it never breaks! Have you ever looked under the hood of one of those!

73,
Steve -WW7Y-

From owner-qrp-l@Lehigh.EDU Tue Jul 30 23:12:13 1996
From: Dan Goodwin <dgoodwin@world.std.com>
Subject: [1822] Re: need OHR's e-mail address...
Message-ID: <Pine.SGI.3.93.960730054113.21718A-100000@world.std.com>

Someone posted this a day or so back:

ohrqrp@netonecom.net

Dan Goodwin KD1XN Waltham,MA

On Mon, 29 Jul 1996, Wayne Burdick wrote:

> If you know Dick's new e-mail address, please send it to me at
> svecbrdk@well.com.
>
>

> Thanks--
> Wayne
>
>
>
>

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: Gary Surrency <gsurrenc@ix.netcom.com>
Subject: [1887] Re: Ni-cad Charger (Long)
Message-ID: <31FF8BB0.41B7@ix.netcom.com>

Steve Schwarm wrote:

>
> > If I had a 1Ah 12V Nicad. at what rate and amperage should I charge it. I---
SNIP---
> A good run of thumb is $0.1 \times \text{capacity}$ (e.g., 0.1 Amps). Using----SNIP----

Guys,

Summit Products Corporation makes a kit for an intelligent Nicad charger that greatly extends Nicad life to 500-2000 charge/discharge cycles. I have built one and it works very well. You can choose the charge rate you want and it will go through several stages of battery evaluation and charge/discharge pulses until full charge is obtained and then it goes into a maintainance mode. It is more intelligent than the typical negative delta-V type chargers.

The kit was featured in World Radio March 1996 on page 16. It is available in several versions from \$29.95 to \$69.95, depending on how well your junk box is stocked and your building inclination. It works on NiMH or Nicad and accomodates battery packs with 1 to 15 cells and up to 6AH capacity.

This charger is one of the best I have seen, and it has kept my HT batteries in excellent condition. The PCB is first class and most of the parts are at your local Rat Shack if you need them. The excellent manual even specifies the RS part numbers for you! :-)

obQRP: This is a good charger for those of you that use Nicads for your portable QRP rigs, 'cause it will stuff all the charge into your batteries that they can absorb without damaging them. And it does the conditioning at the same time without completely discharging the cells as some people mistaking believe is necessary to prevent "memory".

This is mostly a FALLACY about Nicads, and will actually damage many Nicads causing cell polarity reversals resulting in a bad battery pack. Completely discharging a Nicad simply wears out the chemical components more quickly than proper operation. Most manuals that come with your HTs now recommend discontinued use and recharging when the battery pack drops below a certain voltage to prevent this.

Summit Products Corp is at:
P.O.Box 1508
Minden, NV 89423-1508
Phone 702 782-7622

Ask for their Hi/Tech Ni-Cd / Ni-MH battery charger kit.

Battery-Tech, Inc. also makes good units for Nicads. Their chargers are based on the Delta-V technique and are not quite as intelligent as the Summit unit, but their units have the ability to charge any battery from 4.8v to 13.2v without changing any configuration settings. A switching constant-current regulator with Delta-V sense is the basis of their design, and a large wall transformer supplies the power.

The prices range from \$39.00 to \$109.00, depending on the number of charging cups (for different HT models) and the charge rate. They specialize in Nicad batteries and chargers for HTs, but also carry replacements for cell phones, camcorders, and individual Nicad cells for replacement use. A good source of QRP Nicad cells and their tech support people have been very helpful when I had a question. You see their booths at many hamfests across the nation.

I modified one of their chargers to include a pair of leads to connect to whatever Nicad I may have, and it works fine.

Battery-Tech
28-25 215th Place
Bayside, NY 11360
Phone:800 442-4275

The Summit Products unit I think is the better unit if you mainly need to charge one particular battery type (voltage), and probably gives the best battery life, and can either be built as a kit, or purchased pre-built except for the configuration resistors. The Battery-Tech unit is more flexible with different battery types (several HTs, for example), but costs more since it is factory assembled. Both units use the latest in Nicad charging technology.

Extend your Nicad battery life by having 2 or more packs to use, and NEVER allow them to get unduly hot from exposure to heat sources, like in your car in the summer sun, and don't charge them if they are already hot from

high discharge rates or ambient sources. They work best and last longest if you keep them near room temperatures and realize that they are chemical devices, after all.

One note about some of the NEW high capacity AA cells. These guys are getting their higher capacity from thinner separator material resulting in more plate area, but the separator is more easily damaged (perforated) and the cell's life is not as great as the lower capacity batteries. A typical AA cell has 600mAh capacity, but these new ones can have 800mAh or even 1000mAh capacity. There is even thinner plate material in them.

You have to be REAL careful with the high-cap cells or you will loose them to internal shorts. Make sure they are properly charged at lower rates and don't get them HOT or let them go completely FLAT, as our British friends would say. Realize they just won't last as long as the lower capacity cells, and that is the trade-off. Nicads are MUCH better than they were just a few years ago, but still need gentle treatment if they are to last. If the cell ever gets too HOT, the pottassium hydroxide electrolyte may be partially lost or dried-out, and the cell won't just won't be the same.

Please note Nicads are a source of environmental pollution and don't just throw them in the trash. Many places will accept them for recycling or disposal, so check it out. The KOH electrolyte is a caustic solution, similar to household lye, so avoid getting any leakage on anything and if you do, flush it with lots of water or use a vinegar solution to neutralize it.

I have studied Nicad / NiMH battery design and operation for some time now, and hope this is helpful.

Standard Disclaimer: Just a satisfied customer, no business relationship with the manufacturer(s).

72/73,

--

Gary, AB7MY QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

From owner-qrp-l@Lehigh.EDU Wed Jul 31 15:25:14 1996

From: Kevin Muenzler <muenzlerk@uthscsa.edu>

Subject: [1893] RE: SRI! I sent attachments by mistake!!!!

Message-ID: <01BB7EE4.0DC86220@muenzlerk.uthscsa.edu>

On Wednesday, July 31, 1996 12:04 PM, Greg

Weinfurtner[SMTP:weinfurtner@ouvaxa.cats.ohiou.edu] wrote:

>Gang,

> AAAAAAARRRRRRRRRRRRGGGGGGGGGG! I am thrashing myself with a whip
> made out of 3/4" hardline for sending attachments to QRP-L by mistake!
>
> There I was, trying to be a nice guy by sending out a 49er
> placement picture to a fellow qrper....my own computer has turned on me...
>
> I'll be wearing sackcloth and ashes while eating crow sandwiches...
>
>
> Humble apologies de NS80
>
>
You are forgiven, my child. As we read in The QRPble, in the book of Miliwatt
chapter four
verses 4 through 6:
 Attachest not thou GIF, nor JPG, nor BMP, nor TIF, nor any other manor of
 attachment lest thy SWR shall rise and thy crystal shall cease to oscillate.

AR K

Just couldn't resist.

Kevin, WB5RUE

From owner-qrp-l@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: rcrampton@gtc.itt.com
Subject: [1879] Re: TRANSMITTER EFFICIENCY
Message-ID: <1ff71910@gtc.itt.com>

> tx output power / PA input power

> As I said, the latter is useful if you're looking at power amplifier
> performance, which in rigs of this class is by far the largest current hog.
> But it's also the hardest to measure, since you have to disable the PA
> briefly to measure the non-PA current.

> The other two formulas are more useful for predicting battery life.

> 73,
> Wayne

Another common efficiency measurement is Power Added Efficiency:

$$PAE = (P_{out} - P_{in}) / (DC \text{ power in})$$

The advantage here is that you take into account the gain of the device. In applications where gain is really low this is important, but in most cases, P_{in} is very small compared to P_{out} , so it's the same as the equation Wayne gave. I use this one when gain < 10 dB or so. The one Wayne gave is more commonly used, and is referred to as collector efficiency, drain efficiency, etc.

As long as the efficiency type is specified, it really doesn't matter. I'm not usually worried about what definition people use, it's the test setup, calibration procedure, etc. that seems to give the most problems. I don't want to think back to the time we had a 1 dB error in our power meter offset, and got efficiencies 7% higher than we expected. We were really happy for a day or so... Then we went to a re-design!

73's

Ray, KN4SK

ITT-GTC, GaAs RFIC Designer
rcrampton@gtc.itt.com

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>
Subject: [1874] Re: Where is XJ1?
Message-ID: <31FFC459.7474@acsu.buffalo.edu>

Hi Kevin and Gang,

XJ1 is a Canadian call for sure! It is a special callsign used by the West Island ARC, Montreal, Canada, when operating from Pictou Island, Nova Scotia, NA-154. They have a nice color photo QSL card.

QSL them at VE2CWI.

Canadian prefixes include: CF-CK, CY-CZ, VA-VG, VO, VX-VY, XJ-XO.

I found this information at (and I hope the address is still good):
http://cpcug.org/user/wfeidt/Dxcc/dxcct_z.html

--

72's de Mark, N2VPK, Member of the Buffalo QRP Connection

TMPS 1996 Q's=133 WAS=28 Confirmed=23 DX=17
6W1 C6 CT3 DL EA ES HC LY LZ OM OZ SM U5 VE XE YT ZF
Worked all Canada= VE1 VO1 VA2 VC2 VE2 VA3 VY2 VE6

From owner-qrp-1@Lehigh.EDU Wed Jul 31 15:25:14 1996
From: Kevin Muenzler <muenzlerk@uthscsa.edu>
Subject: [1894] RE: Where is XJ1? thanks
Message-ID: <01BB7EE4.6A670400@muenzlerk.uthscsa.edu>

Thanks to all who replied to my question about
XJ1CWI. I discovered that I had copied their
QSL information incorrectly as VE1CWI instead
of VE2CWI.

73/72

Kevin, WB5RUE